

Attorney Docket No. 5077-000075**DECLARATION AND POWER OF ATTORNEY**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

**EQUIPMENT FOR COMMUNICATION SYSTEM AND SEMICONDUCTOR
INTEGRATED CIRCUIT DEVICE**

the specification of which (check one)

☒ is attached hereto.

☐ was filed on _____ as Application
Serial No. _____ and was amended on
_____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application or to the patentability of the invention claimed therein in accordance with Title 37, Code of Federal Regulations, section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, section 119(a) - (d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

PRIOR FOREIGN APPLICATION(S)

			<u>Priority Claim</u>	
<u>2000-353699</u>	<u>Japan</u>	<u>21/11/2000</u>	<u>X</u>	
(Number)	(Country)	(Day/Month/Year filed)	Yes	No
_____	_____	_____	Yes	No
(Number)	(Country)	(Day/Month/Year filed)		
_____	_____	_____	Yes	No
(Number)	(Country)	(Day/Month/Year filed)		

DECLARATION AND POWER OF ATTORNEY

I hereby claim the benefit under Title 35, United States Code, '119(e) of any United States Provisional application(s) listed below:

PRIOR PROVISIONAL APPLICATIONS

_____	_____
(application serial number)	(Month / Day / Year filed)
_____	_____
(application serial number)	(Month / Day / Year filed)

I hereby claim the benefit under Title 35, United States Code, section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, section 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application :

Application Serial No.	Filing Date	Status - patented, pending, abandoned
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint Gregory A. Stobbs, Reg. No. 28,764, and each principal, attorney of counsel, associate and employee of Harness, Dickey & Pierce, P.L.C., who is a registered Patent Attorney, my attorney with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith. I request the Patent and Trademark Office to direct all correspondence and telephone calls relative to this application to Harness, Dickey & Pierce, P.L.C., P. O. Box 828, Bloomfield Hills, Michigan 48303 (248) 641-1600.

Full name of sole or first inventor: Toshiya YOKOGAWA

Inventor's signature: _____

Date: November 15, 2001

Residence: Nara, Japan

Citizenship: Japanese

Post Office Address: 5-2-24, Aoyama, Nara-shi, Nara 630-8101, Japan

DECLARATION AND POWER OF ATTORNEY

Full name of second joint inventor, if any: Kunimasa TAKAHASHI

Second Inventor's signature: Kunimasa Takahashi

Date: November 15, 2001

Residence: Osaka, Japan

Citizenship: Japanese

Post Office Address: 1-6-29-5, Hirata, Ibaraki-shi, Osaka 567-0845, Japan

Full name of third joint inventor, if any: Masao UCHIDA

Third Inventor's signature: Masao Uchida

Date: November 15, 2001

Residence: Osaka, Japan

Citizenship: Japanese

Post Office Address: 2-29-15, Terada-cho, Ibaraki-shi, Osaka 567-0823, Japan

Full name of fourth joint inventor, if any: Makoto KITABATAKE

Fourth Inventor's signature: Makoto Kitabatake

Date: November 15, 2001

Residence: Nara, Japan

Citizenship: Japanese

Post Office Address: 3-17-13-501, Tomio-kita, Nara-shi, Nara 631-0076, Japan

Full name of fifth joint inventor, if any: Osamu KUSUMOTO

Fifth Inventor's signature: Osamu Kusumoto

Date: November 15, 2001

Residence: Nara, Japan

Citizenship: Japanese

Post Office Address: 2-1052-42, Nakayama-cho-nishi, Nara-shi, Nara 631-0013, Japan

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: Not yet assigned
Filing Date: Herewith
Applicant: Toshiya Yokogawa et al.
Group Art Unit: Not yet assigned
Examiner: Not yet assigned
Title: Equipment for Communication System and
Semiconductor Integrated Circuit Device
Attorney Docket: 5077-000075/DVA

Hon. Commissioner of Patents and Trademarks
Washington, D.C. 20231

**REFERENCE TO RECORDED ASSIGNMENT
OF ORIGINAL APPLICATION**

This application is a divisional application of U.S. Application No. 09/989,270. A prior assignment of the original application is recorded in the U.S. Patent and Trademark Office at Reel 012317, Frame 0637 and a copy of the assignment is provided herewith. This assignment recorded against the original application gives the assignee rights to the subject matter common to both applications.

Respectfully submitted,

Dated: July 31, 2003

By: Greg Stobbs
Gregory A. Stobbs
Reg. No. 28,764

HARNESS, DICKEY & PIERCE, P.L.C.
P.O. Box 828
Bloomfield Hills, Michigan 48303
(248) 641-1600



UNITED STATES
PATENT AND
TRADEMARK OFFICE

5077-000075 ✓6AS

JANUARY 18, 2002

PTAS
HARNES, DICKEY & PIERCE, P.L.C.
GREGORY A. STOBBS
P.O. BOX 828
BLOOMFIELD HILLS, MI 48303

Under Secretary of Commerce For Intellectual Property and
Director of the United States Patent and Trademark Office
Washington, DC 20231
www.uspto.gov



101902060A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 11/20/2001

REEL/FRAME: 012317/0637
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

YOKOGAWA, TOSHIYA

DOC DATE: 11/15/2001

ASSIGNOR:

TAKAHASHI, KUNIMASA

DOC DATE: 11/15/2001

ASSIGNOR:

UCHIDA, MASAO

DOC DATE: 11/15/2001

ASSIGNOR:

KITABATAKE, MAKOTO

DOC DATE: 11/15/2001

ASSIGNOR:

KUSUMOTO, OSAMU

DOC DATE: 11/15/2001

ASSIGNEE:

MATSUSHITA ELECTRIC INDUSTRIAL
CO., LTD.
1006 KADOMA, KADOMA CITY
OSAKA, JAPAN 571-8501

Form PTO-1595
(Rev. 03/01)
OMB No. 0651-0027 (exp. 5/31/2002)

RECC

11-28-2001



Patent Docket No. 5077-000075

T U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

101902060

T the Honorable Commissioner of P.

Use the attached original documents or copy thereof.

1. Name of conveying party(ies):

Toshiya Yokogawa
Kunimasa Takahashi
Masao Uchida
Makoto Kitabatake
Osamu Kusumoto

11/20/01

Additional name of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies)

Name: Matsushita Electric Industrial Co., Ltd.

Internal Address:

10879 U.S. PTO
09/989270



3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Street Address: 1006 Kadoma

Kadoma City

City: Osaka State: Japan Zip: 571-8501

Additional Name(s) & address(es) attached? ☐ Yes ☒ No

Execution Date(s): November 15, 2001

4. Application number(s) or patent number(s):

09/989270

If this document is being filed together with a new application, the execution date of the application is: November 15, 2001

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning this document should be mailed:

Name: Gregory A. Stobbs

Internal Address: Harness, Dickey & Pierce, P.L.C.

Street Address: P.O. Box 828

City: Bloomfield Hills State: MI Zip: 48303

6. Total number of applications and/or patents involved: 1

7. Total fee (37 CFR 3.41)\$ 40

- ☒ Enclosed
☐ Authorized to be charged to deposit account

8. The Commissioner is hereby authorized to charge any additional fees that may be required or credit any overpayments to Deposit Account No. 08-0750. A duplicate copy of this sheet is enclosed.

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Gregory A. Stobbs

Name of Person Signing

Signature

11/20/2001

Date

Total number of pages including cover sheet, attachments, and documents: 3

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

012317/0637 PAGE 2

SERIAL NUMBER: 09989270
PATENT NUMBER:

FILING DATE: 11/20/2001
ISSUE DATE:

MARY BENTON, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

Attorney Docket No. 5077-000075

A S S I G N M E N T

WHEREAS, Toshiya YOKOGAWA, Kunimasa TAKAHASHI, Masao UCHIDA,
Makoto KITABATAKE, and Osamu KUSUMOTO

(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements
in EQUIPMENT FOR COMMUNICATION SYSTEM AND SEMICONDUCTOR INTEGRATED

CIRCUIT DEVICE

for which the undersigned has (have):

- (a) filed an application for Letters Patent of the United States of America on _____ having Serial No. _____; or
- (b) executed an application for Letters Patent of the United States of America on the date(s) indicated below; and

WHEREAS, Matsushita Electric Industrial Co., Ltd.

of

1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501, Japan

its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents do sell, assign and transfer unto the Assignee the full and exclusive right to the said invention in the United States of America and its territories and for all foreign countries, dependencies and possessions and the entire right, title and interest in and to the application and any and all Letters Patent(s) which may be granted therefor in the United States of America and its territories, dependencies and possessions, and in and to any and all divisions, reissues, continuations and extensions thereof for the full term or terms for which the same may be granted.

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or any continuation, division or reissue thereof or Letters Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims under or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent(s) to the Assignee and to vest all rights therein hereby conveyed to the Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue any and all Letters Patents of the United States of America resulting from said application or any division or divisions or continuing or reissue applications thereof to the Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

This Assignment has been executed by the undersigned on the date(s) indicated.

Date: November 15, 2001, Toshiya Yokogawa
Toshiya YOKOGAWA

Date: November 15, 2001, Kunimasa Takahashi
Kunimasa TAKAHASHI

Date: November 15, 2001, Masa Uchida
Masao UCHIDA

Date: November 15, 2001, Makoto Kitabatake
Makoto KITABATAKE

Date: November 15, 2001, Osamu Kusumoto
Osamu KUSUMOTO

Date: _____, _____

Date: _____, _____

Date: _____, _____